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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<b>Complete if Known</b>	
			Application Number	09/903,330
			Filing Date	July 11, 2001
			Inventor(s)	Pradip MITRA
			Group Art Unit	2633
Examiner Name	<del>To Be Assigned</del> M.R. SEDIKHIAN			
Sheet 1 of 1	Attorney Docket No.	10919/25401		

### U.S. PATENT DOCUMENTS

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
MR)	(1)	5,818,066		Duboz	10/06/1998	257	21	
MR)	(2)	5,773,831		Brouns	06/30/1998	250	370.08	
MR)	(3)	5,726,805		Kaushik et al.	03/10/1998	359	589	
MR)	(4)	5,539,206		Schimert	07/23/1996	250	338.4	
MR)	(5)	5,485,015		Choi	01/16/1996	257	21	
MR)	(6)	5,479,018		McKee et al.	12/26/1995	250	338.1	
MR)	(7)	5,455,421		Spears	10/03/1995	250	338.4	
MR)	(8)	5,389,797		Bryan et al.	02/14/1995	257	21	
MR)	(9)	5,315,128		Hunt et al.	05/24/1994	257	16	

### FOREIGN PATENT DOCUMENTS

Examiner Initials	O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
MR)	(10)	J.-H. LEE, S.S. LI, M.Z. TIDROW, W.K. LIU, <i>Investigation of multi-color, broadband quantum well infrared photodetectors with digital graded superlattice barrier and linear-graded barrier for long wavelength infrared applications</i> , <u>Infrared Physics &amp; Technology</u> , Vol. 42, pp. 123-134, (2001)
MR)	(11)	Lucent Technologies Bell Labs Innovations Technical Paper, <i>Arrayed Waveguide Grating Multiplexer/Demultiplexer</i> , 6 pages (January 2000)
MR)	(12)	H. C. LIU, <i>Quantum Well Infrared Photodetector Physics and Novel Devices</i> , <u>Intersubband Transitions in Quantum Wells, Physics and Device Applications I, Semiconductors and Semimetals</u> , Vol. 62, cover page and pp. 129-196 (2000)
MR)	(13)	Feng-Qi LIU, Ding DING, Bo XU, Yong-Ahao AHANG, Quan-Sheng ZHANG, Zhan-Guo WANG, De-Sheng JIANG, Bao-Quan SUN, <i>Strain-compensated quantum cascade lasers operating at room temperature</i> , <u>Journal of Crystal Growth</u> , Vol. 220, pp. 439-443 (2000)
MR)	(14)	Jung-Hee LEE and Sheng S. LI, <i>Quantum-well infrared photodetectors with digital graded superlattice barrier for long-wavelength and broadband detection</i> , <u>American Institute of Physics</u> , Vol. 75, No. 20, 3 pages (1999)
MR)	(15)	Alessandro TREDICUCCI, Claire GMACHI, Federico CAPASSO, Deborah L. SIVCO, Albert L. HUTCHINSON and Alfred Y. CHO, <i>A multiwavelength semiconductor laser</i> , <u>Nature</u> , Vol. 396, pp. 350-353 (November 26, 1998)
MR)	(16)	Ivars MELNGAILIS, William E. KEICHER, Charles FREED, Stephen MARCUS, Brian E. EDWARDS, Antonio SANCHEZ, Tso Yee FAN and David L. SPEARS, <i>Laser Radar Component Technology</i> , <u>Proceedings of the IEEE</u> , Vol. 84, No. 2, (February, 1996)
MR)	(17)	Jerome FAIST, Federico CAPASSO, Deborah L. SIVCO, Carlo SIRTORI, Albert L. HUTCHINSON, Alfred Y. CHO, <i>Quantum Cascade Laser</i> , <u>Science</u> , Vol. 264, pp. 553-556 (April 22, 1994)
MR)	(18)	C. C. BARRON, C. J. MAHON, B. J. THIBEAULT, G. WANG, W. JIANG, L. A. COLDREN and J. E. BOWERS, <i>Resonant-cavity-enhanced pin photodetector with 17GHz bandwidth-efficiency product</i> , <u>Electronics Letters</u> , Vol. 30, No. 21, pp. 1796-1797 (October 13, 1994)
MR)	(19)	T. WIPIEJEWSKI, K. PANZLAFF, K. J. EBELING, <i>Resonant wavelength selective photodetectors</i> , <u>Microelectronic Engineering</u> , Vol. 19, pp. 223-226 (1992)
Examiner Signature	M.R. SEDIKHIAN	
Date Considered	5/14/04	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.